DATA EVALUATION RECORD

***Beauveria bassiana* strain 447**

STUDY TYPE: ~~**Discussion of the Formation of Unintentional Ingredients**~~ Beauveria analysis of Beauveria bassiana strain 447

(OPPTS 885.1300)

MRID 45144202

Prepared for
Biopesticides and Pollution Prevention Division
Office of Pesticide Programs
U.S. Environmental Protection Agency
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Prepared by
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Task Order No. 45

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DATA EVALUATION REPORT

Reviewed by: Susan Chang, M.S., Contractor, Oak Ridge National Laboratory

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STUDY TYPE:	Discussion of the Formation of Unintentional Ingredients (OPPTS 885.1300)
MRID NO:	45144202
CHEMICAL CODE	128815
EPA REGISTRATION#	070464-U
SUBMISSION #	S585216
DATA PACKAGE #	268975
TEST MATERIAL:	*Beauveria bassiana* Strain 447
PROJECT NO:	None assigned
SPONSOR:	SafeScience Products, Inc., Boston, MA
TESTING FACILITY:	Kansas State University, Manhattan, KS
TITLE OF REPORT:	Beauvericin Analysis of *Beauveria bassiana* 447 Spores (Batch 83199)
AUTHOR(S):	J. Scott Smith, Ph.D.
STUDY COMPLETED:	April 28, 2000
GOOD LABORATORY PRACTICE:	Not GLP Compliant
CONCLUSION:	No beauvericin mycotoxin was detected (LOD 0.2 ppm) in *Beauveria bassiana* 447 Spores (Batch 83199).
CLASSIFICATION:	UNACCEPTABLE, 5 batches analysis of either the spores or the final product should be provided to confirm these suppositions.

DISCUSSION OF THE FORMATION OF UNINTENTIONAL INGREDIENTS

I. STUDY DESIGN

Test Material: *Beauveria bassiana* 447 Spores (Batch 83199)

II. RESULTS AND DISCUSSION

A publication by J. Scott Smith titled "Liquid chromatography/thermospray/mass spectrometry analysis of beauvericin" in J. Agric. Food Chem., 45, 1234-1239, 1997 was used to satisfy OPPTS 885.1300 for discussion of formation of unintended ingredients. *Beauveria bassiana* Strain 447 spores (Batch 83199) produced by Sylvan Bioproducts, Inc. were analyzed by Dr. Smith's laboratory using LC/mass spectrometry method and HPLC/diode array detection (in-house modification of the above published method). No beauvericin was detected with the lower detection limit as 0.2 ppm at a signal to noise ratio of 5:1. The packet classification is **UNACCEPTABLE.**